

The new Dimension for the Laboratory



Coagulation Analyzer

- Medium laboratories
- Doctors office
- Intensive care
- Research facility



made
in
Germany

Coatron® M4

REF: 80 420 00

- 4 channel fully optical measurement
- with sunlight reduction
- Clotting, chromogenic or immun-turbidimetric assays
- Quantitative D-Dimer
- Micro volumes (total 75 µL)
- Small dimension and weight
- Easy operation
- 6 languages on board
- Highly reliable & long-living
- Autosense optics to eliminate interferences like Bilirubin, Hemoglobin, sunlight
- Approved clotting algorithm with biphasic waveform analysis
- Automatic start at reagent addition
- 5 point calibration curve for each test
- 4 Stop-watch function onboard
- Double determination
- Magnetic stirrer for reagent
- Profile testing like PT+APTT+FIB+AT
- Optional external thermal printer
- Optional barcode scanner
- Optional automatic start pipette
- RS232 interface for data research or firmware upgrade
- Linking to Laboratory Information Systems such as TECO TECAM



Available Tests

PT	Prothrombin Time
APTT	Activated Partial Thromboplastin Time
FIB	Fibrinogen (Clauss and derived)
TT	Thrombin Time
VT	Venom time
FAC	II, V, VII, VIII, IX, X, XI, XII
AT3	Antithrombin
HEP	Heparin
PC	Protein-C
PS	Protein-S
PLG	Plasminogen
A2AP	a2-Antiplasmin
PCA	Protein-C resistance (automatic ratio)
LA	Screen & confirm (automatic ratio)
ECAT	Ecarin Chromogenic Assay for Thrombin
ECAH	Ecarin Chromogenic Assay for Hirudin
DD	quantitative D-Dimer

Available dimensions

Seconds, %, Ratio, INR, mg/L, mg/dL, g/L, U/mL, ng/mL, µg/mL

Development, Manufacturing and Sales:

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Distributor:

Technical Data

- Dimensions:
LxWxH: 280x225x115mm
Weight: 2,30kg
- Power Supply (external):
Input: 100-240V~, 47-63Hz
Power: 42W
Approvals: CE, EN60601-1, UL
- Incubation Block:
Temperature: 37,0°C ± 0,2°C
Samples: 24 cuvettes
Reagent: 1 vial Ø30,0mm, stirred
1 vial Ø22,5mm
1 vial Ø16mm

Different adapters available
- Measurement:
Optic: 4 channel with AutoSense
Methods: Turbidity, Kinetic, Endpoint
Algorithm: based on optical density
Processing: 18-Bit ADC + Digital Filter
Autosense: LED intensity controlling
Starting: manual, optical, autopipette
- Performance:
Precision: CV < 5%
Throughput: PT ~150/h
APTT ~50/h
FIB ~100/h

Optional Accessory

- Autopipette:
Volume: 4-stage 25/50/100/200µL
Test-Start: electronical
- Barcode Scanner:
Interface: serial, RS232
Type: CCD Handheld
Power: powered over RS232
- Printer:
Interface: serial, RS232
Type: external thermal printer

TECAM SMART for MS Windows XP, Vista (Laboratory Information System)

A perfect and user friendly tool to combine laboratory data management, quality control and research purpose in one.

- Intuitive handling
One click principle for data collection, filtering, reporting or QC
- Interface
Serial RS232 to analyzer. The results will be transferred including the optical reaction curve
- Database
Manage over 1 Mio results and patient information in one database
- Stored Information
Date, Patient (Id, name, sex, birth), Test, Lot, Results, Flags, Error, System, Range, Comment and Reaction curve
- Complete Traceability by one click
Review for Date, PID, Test, QC by one click
- Statistical analyse for QC or patients
Westgard Multirules Analysis
Levey Jenning diagram
- Flexible Multifilter
Combine every data field. Predefined timefilters (eg. today, last 30 days, morning, afternoon etc.)
- Reporting
make reports by one click. Use multifilter or presets to generate specific reports (eg. show results of specific patient of all PT within the last 30 days)
- Research
Export data, grids, charts, curves to PDF, XLS, TXT or HTML file
- Security
Secured access to critical menus
- Online update
- Multi-Lingual

Standard package

1 Pc	Coatron M4	1 Pc	Power Supply
1 Pc	Mains cable	25 Pcs	Double cuvettes
5 Pcs	Reagent container	1 Pc	Magnetic stirrer
1 Pc	Reagent adaptor	1 Pc	Printer cable
1 Pc	Pipette fastener	1 Pc	Operation Manual
1 Pc	Warranty card	1 Pc	Installation report
1 Pc	Service report		